

# Silent Flo Pool Pump

**Pentair Water answers the latest issues in the Swimming Pool Industry with the release of the SilentFlo range of pumps.**

**These are the quietest and most efficient pumps available, to minimise the cost and maximise the enjoyment of pool ownership.**

**Typical Applications**

- Pools from 20,000 litres up to 130,000 litres.
- High quality pools where quiet operation is a must.
- Pools where high efficiency is required.

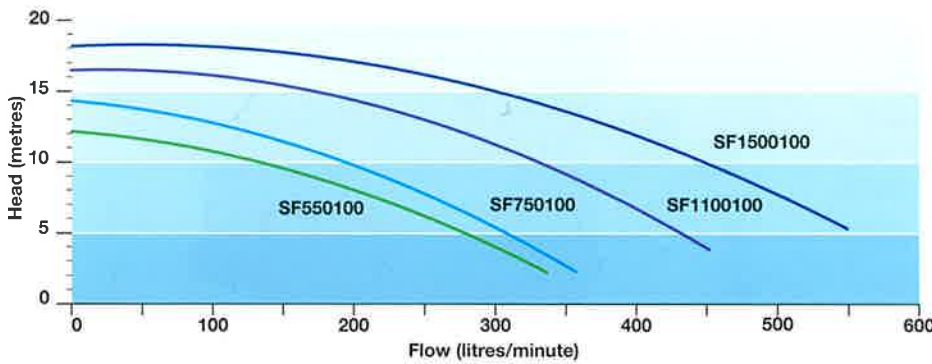


SilentFlo Pool Pump



Features	Benefits
<b>Extremely quiet hydraulic design</b>	Your customers will be able to run this pump at night, without disturbing the neighbours. This allows them to take advantage of the upcoming time of use off-peak tariffs
<b>Extremely efficient hydraulic design</b>	Minimises running costs for your customers - more turnovers for less dollars
<b>Elevated base - further dampens sound and vibration, and keeps the pump above sitting water</b>	Even quieter operation, and minimises pump corrosion by keeping it out of the water
<b>Stainless Steel motor shaft</b>	Extends the life of the pump by reducing corrosion
<b>Large volume strainer basket</b>	Minimises the maintenance requirement by extending the time between strainer basket clean outs
<b>Included 50mm barrel unions</b>	Quick and easy to install, while allowing pump removal without flexing pipework
<b>Dual connections: 50mm thread or 50mm barrel unions</b>	Allows piping flexibility - threaded connections allow for permanent installation - service is still possible by removing the motor and yoke from the casing
<b>Thermoplastic casing and hydraulic parts</b>	Total corrosion resistance for long life and peace of mind
<b>Electrical approvals</b>	The SilentFlo range of pool pumps have passed all the requirements of AS/NZS 60335.2.41:2004 for safety, and is approved for installation within the wetted zone of the pool area
<b>Captive bolts</b>	Easy servicing, no lost fasteners

### Pump Performance Chart



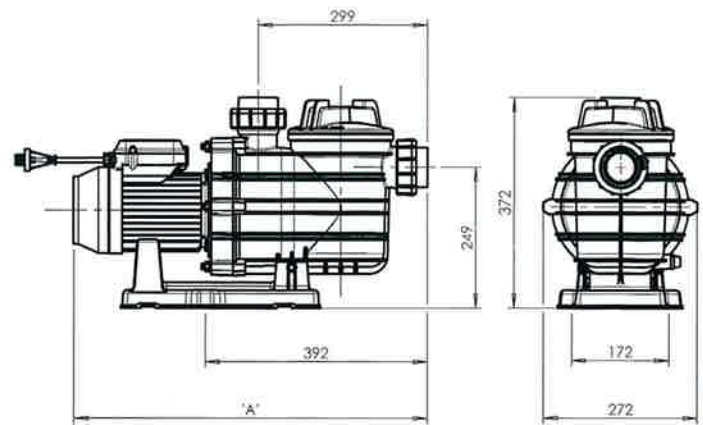
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### Motor

Type:	TEFC 2 pole
Thermal overload:	Internal, automatic reset
Temperature rise:	Class F
Voltage:	230V +/- 10%
Frequency:	50Hz

Suitable for pumping clean non-aggressive liquids without solids or fibres in suspension.

### Line Drawings



### Materials

Component	Material
Pump Casing	Reinforced Polypropylene 40% Glass Filled
Impeller	Polyphenylene Ether
Diffuser	Polypropylene HP TF 40%
Yoke	Polypropylene 40% Glass Filled
Drain plugs	Polypropylene
Motor shaft	SS 303
End shield	Cast Aluminium
Strainer basket	High Impact Polystyrene
Strainer basket o-ring	Low friction nitrile
Strainer pot lid	Makrolon Polycarbonate
Barrel unions	Acrylonitrile Butadiene Styrene (ABS)
Base	Copolymer Polypropylene
Seal bellows	Nitrile
Seal stationary face	Aluminium oxide
Seal rotating face	Carbon
Seal Spring	SS 316
Cord/Plug	Approved to AS/NZS 3112

### Dimension Table

Pump Model	SF550	SF750	SF1100	SF150
A	595	595	610	650

Unless otherwise specified, all dimensions in mm. Fixing holes accept 12mm fasteners.

### Model Data

Pump Model	Motor power		Supply Voltage	Phase	Full Load current	Locked Rotor current	Capacitor	Thermal protection cutout	Insulation class	Speed (2 pole)
Abbreviation	P1	P2			FLA	LRA				
Unit of Measure	Watt	Watt	V	n	Amp	Amp	µF	°C		rpm
SF550100	580	400	230	1	2.6	14	25	150	F	2800
SF750100	690	485	230	1	3.0	14	25	150	F	2800
SF1100100	1020	715	230	1	4.5	22	25	150	F	2800
SF1500100	1540	1075	230	1	6.7	28	30	150	F	2800

Pump Model	Run coil resistance	Start coil resistance	Sound Pressure Level	IP Rating	Bearing type	Bearing temperature rating	Max Working temp	Max water temp	Min water temp	Max working pressure
Abbreviation			SPL							
Unit of Measure	Ohms	Ohms	dB(A)			°C	°C	°C	°C	kPa
SF550100	4.64	5.69	56	IP55	6203	120	50	35	5	360
SF750100	4.64	5.69	56	IP55	6203	120	50	35	5	360
SF1100100	3.22	5.69	59	IP55	6203	120	50	35	5	360
SF1500100	1.99	3.78	61	IP55	6203	120	50	35	5	360